10/530061

FIGURE 1

Allele	Anchor residues of prototype allele						Anchor residues of designated supertype					
	Canonical			Extended			Canonical			Extended		
	p2	p3	C	p2	p3	C	p2	p3	C	p2	p3	C
A1 (a)	TS	--	Y	TSM	--	Y	TI	--	YWF	TILMVS	--	YWF
A1 (b)	--	DE	Y	--	DEAS	Y	*(shaded)*			*(shaded)*		
A2	LM	--	VIL	LMIVATQ	--	LMIVAT	LMIVATQ	--	VILA	LMIVATQ	--	LMIVAT
A3	LMV	--	K	LMVISATFG	--	KRYHFA	TVM	--	KR	LMIVAST	--	KR
A11	VT	--	K	LMVISATFG	--	KRYH	*(shaded)*			*(shaded)*		
A24	Y	--	F	YFWM	--	FLIW	YF	--	FI	YFWIVLMT	--	FIYWLM
B7	P	--	MFLIV	P	--	LIMVFWYA	P	--	I	P	--	LIMVFWYA
B44	E	--	YF	ED	--	LIMVFWYA	E	--	YFLIM	ED	--	YFLIMTAVW

Bolded alleles denote nomenclature of specified supertype.

FIGURE 2

HLA-supertype	Allele-specific HLA-supertype members	
	Verified[a]	Predicted[b]
A1	A*0101, A*2501, A*2601, A*2602, A*2902, A*3002	A*0102, A*2604, A*2901, A*3003, A*3601, A*4301, A*8001
A2	A*0201, A*0202, A*0203, A*0204, A*0205, A*0206, A*0207, A*0209, A*0214, A*6802, A*6901	A*0208, A*0210, A*0211, A*0212, A*0213
A3	A*0301, A*1101, A*3101, A*3301, A*6801	A*0302, A*1102, A*2603, A*3302, A*3303, A*3401, A*3402, A*6601, A*6602, A*7401
A24	A*2301, A*2402 (A*2902, A*3002)	A*2403, A*2404
B7	B*0702, B*0703, B*0704, B*0705, B*1508, B*3501, B*3502, B*3503, B*3504, B*3505, B*3506, B*3507, B*3508, B*4201, B*5101, B*5102, B*5103, B*5104, B*5105, B*5301, B*5401, B*5501, B*5502, B*5601, B*5602, B*6701, B*7801	B*1511, B*5901
B27	B*1401, B*1402, B*1509, B*2702, B*2703, B*2704, B*2705, B*2706, B*3801, B*3901, B*3902, B*7301	B*2701, B*2707, B*2708, B*3802, B*3903, B*3904, B*3905, B*4801, B*4802, B*1510, B*1518, B*1503
B44	B*1801, B*1802, B*3701, B*4402, B*4403, B*4404, B*4001, B*4002, B*4006, B*4501	B*4101, B*4701, B*4901, B*5001
B58	B*5701, B*5702, B*5801, B*5802, B*1516, B*1517	
B62	B*1501, B*1502, B*1513, B*5201	B*1301, B*1302, B*1504, B*1505, B*1506, B*1507, B*1515, B*1520, B*1521, B*1512, B*1514, B*1519
Unclassified	A*3001, A*3201	

a. Verified alleles includes alleles whose specificity has been determined by pool sequencing analysis, peptide binding assays, or by analysis of the sequences of CTL epitopes.

b. Predicted alleles are alleles whose specificity is predicted on the basis of B and F pocket structure to overlap with the supertype specificity.

c. Alleles in parentheses are assigned to a different supertype, but have been noted to cross-react with appreciable frequency with the indicated supertype.